

ABSTRACT

TRAINING QUALITY ASSESMENT TOOLS

5 This invention relates to a non-intrusive speech
quality assessment system. The invention provides a method
and apparatus for training a quality assessment tool in
which a database comprising a plurality of samples, each
with an associated mean opinion score, is divided into a
10 plurality of distortion sets of samples according to a
distortion criterion; and a distortion specific assessment
handler for each distortion set is trained, such that a
fit between a distortion specific quality measure
generated from a distortion specific plurality of
15 parameters for a sample and the mean opinion score
associated with said sample is optimised. The invention
also provides a method and apparatus for assessing speech
quality in a telecommunications network in which a
dominant distortion type is determined for a sample; a
20 distortion specific plurality of parameters are combined
to provide a distortion specific quality measure for each
sample; and a quality measure is generated in dependence
upon the distortion specific quality measure.

25 Figure 5.